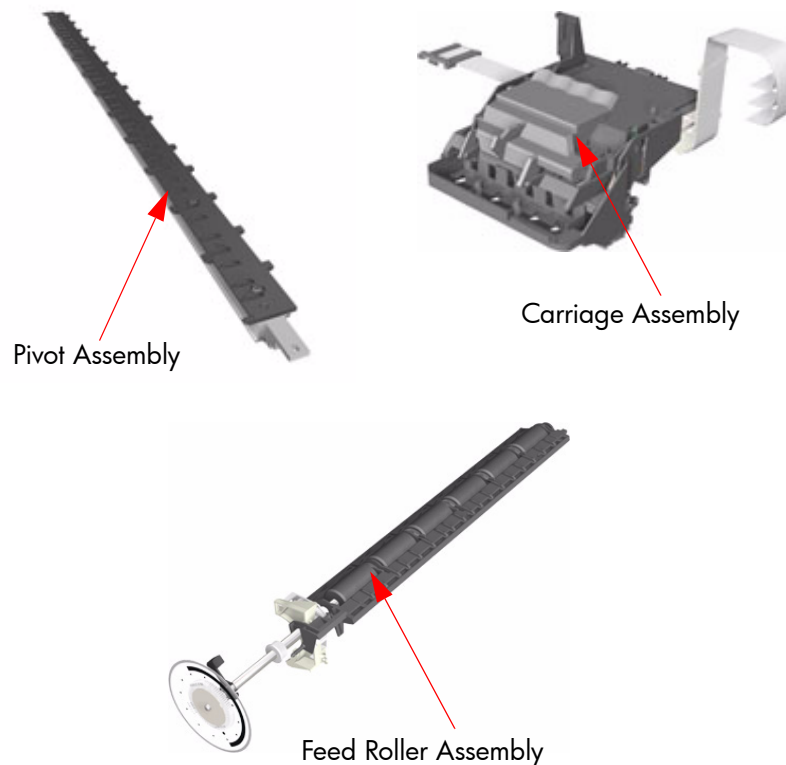


PRS Adjustment

When Required

It is very important that you perform the PRS Adjustment whenever:

- The Pivot Assembly is removed **or** replaced.
- The Feed Roller Assembly is removed **or** replaced
- The Carriage Assembly is replaced (it is not necessary to perform the PRS Adjustment if the carriage is reseated).



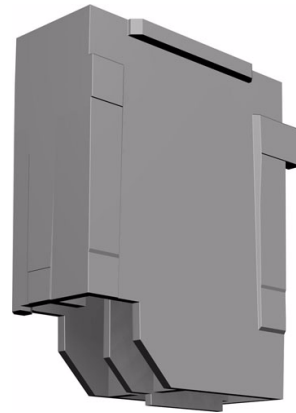
Note: B-size printers do not need Prs Adjustment

Manual PRS Adjustment

The purpose of the Manual PRS Adjustment is to adjust the distance between the Carriage Assembly and the Pivot Assembly. This adjustment is necessary in order to prevent problems like Printhead crashes.

Perform the Manual PRS Adjustment as follows:

The Manual PRS Adjustment should be carried out using the Carriage Height Tool.



Carriage Height Tool

During the Manual PRS Adjustment procedure the Carriage Assembly has to be moved along the length of the printer. Make sure that the Carriage Assembly is only ever moved by pulling the belt and never by direct contact with the Carriage itself.



Correct: move using the belt.



Incorrect: never move using Carriage Assembly.

- 1 Turn On the Printer and open the Printhead Access Door.

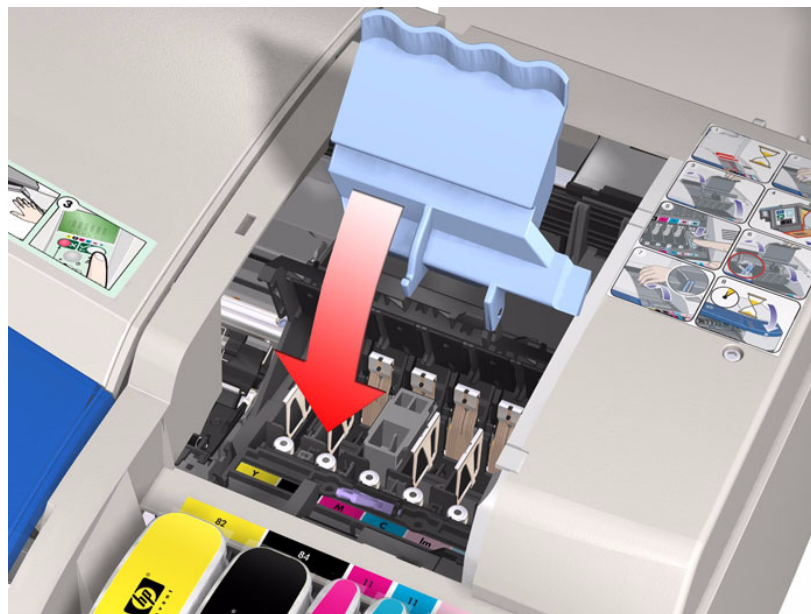
Make sure that you turn ON the Printer, otherwise you will NOT be able to open the Carriage Cover.

- 2 Open the Carriage Cover and install the Carriage Height Tool into the Magenta Stall - Make sure ALL the other printheads are already removed from the Carriage Assembly.



- 3 Close the Carriage Cover and switch OFF the Printer.

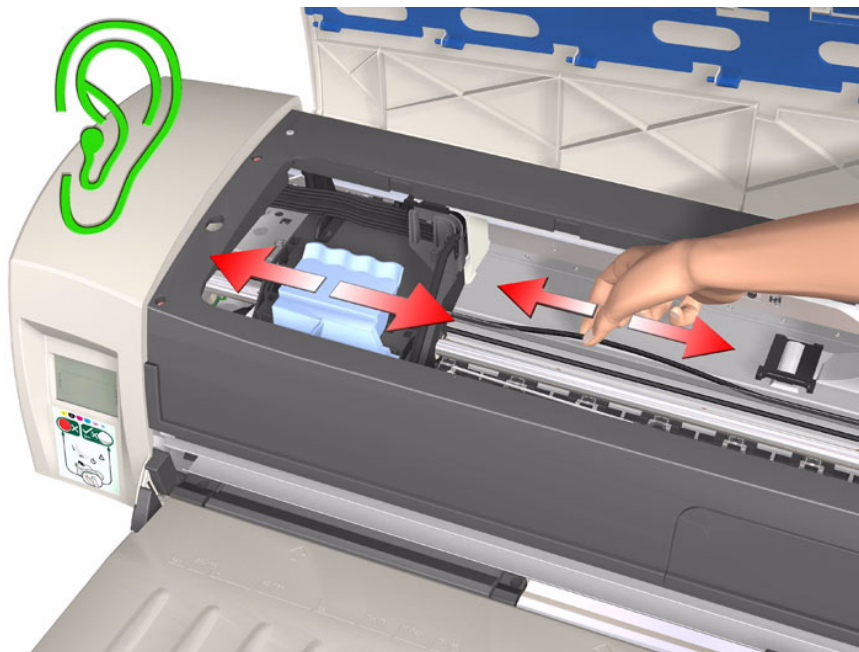
Make sure that you turn OFF the Printer, otherwise you will NOT be able to manually move the Carriage Assembly.



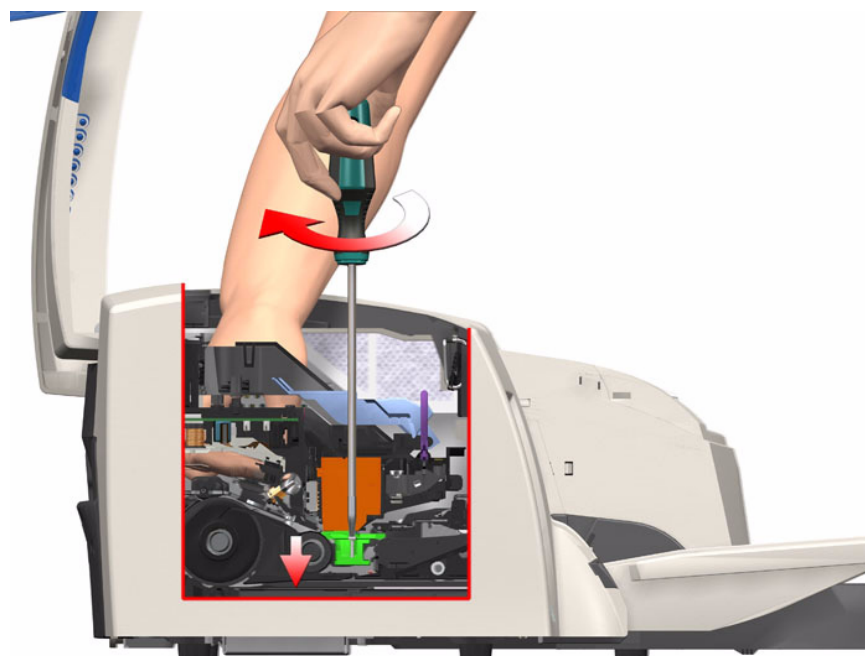
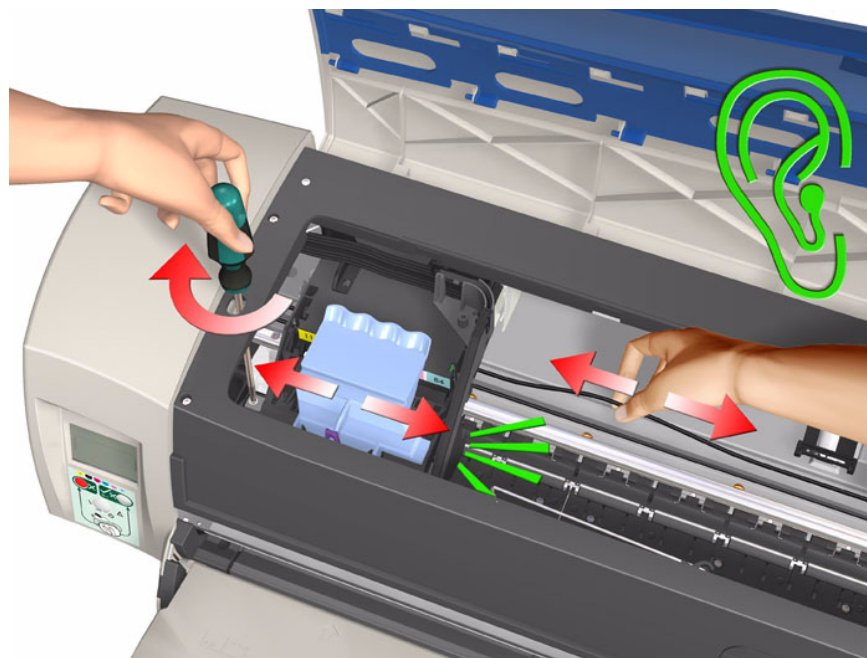
- 4 Move the Carriage Assembly to the left hand side of the Printer (to the position shown).



- 5 Using the belt, move the Carriage Assembly backwards and forwards over the Pivot Assembly (but staying on the left hand side of the printer), carefully listening for a scraping sound.

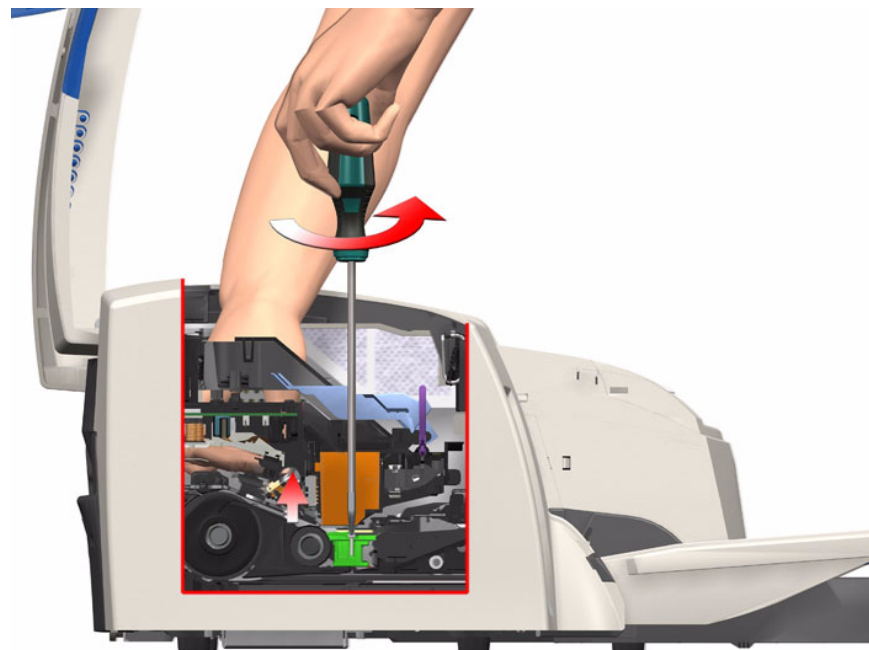
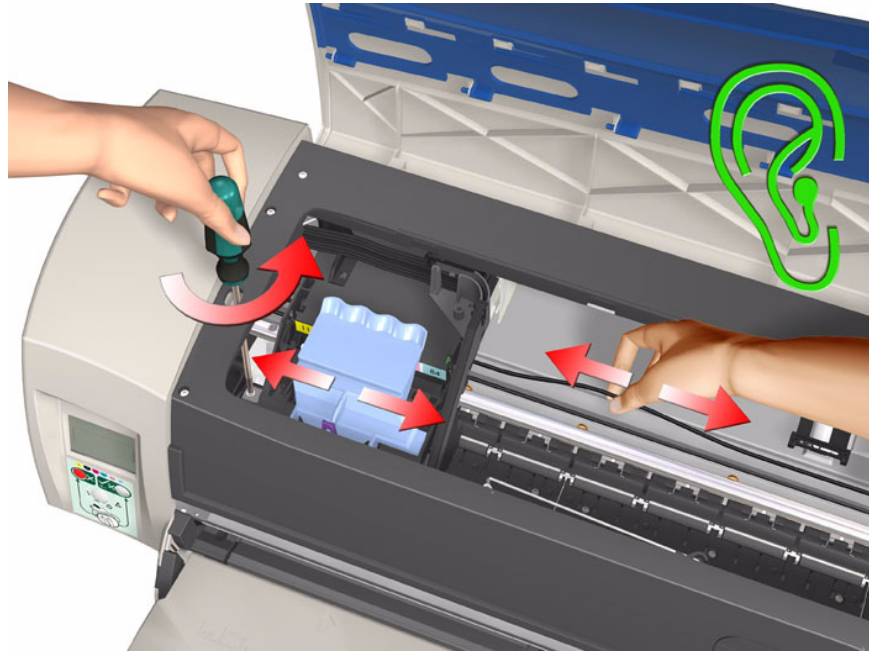


- 6 If you hear a scraping sound, that means that the Pivot Assembly is too high and needs to be lowered slightly. Lower the Pivot Assembly slightly by turning the T-8 screw 1/8th of a turn clockwise and then check for a scraping sound again as shown previously in **step 5**.



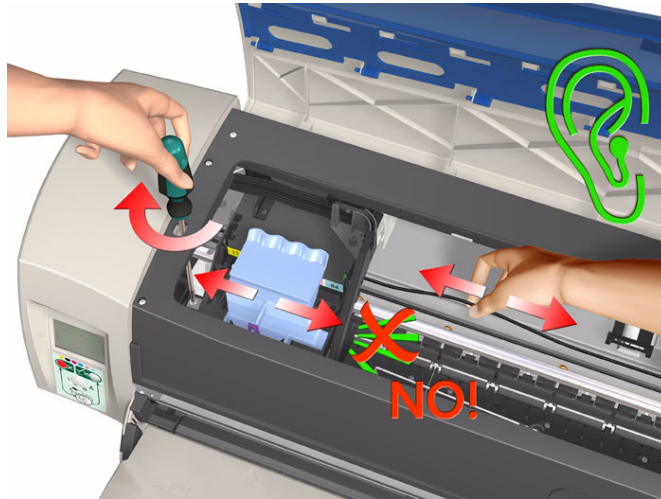
Cross-Section - Lowering the Pivot Assembly

- 7** If you don't hear a scraping sound, that means that the Pivot Assembly is too low and needs to be raised slightly. Raise the Pivot Assembly slightly by turning the T-8 screw 1/8th of a turn anti-clockwise and then check for a scraping sound again as shown previously in **step 5**.

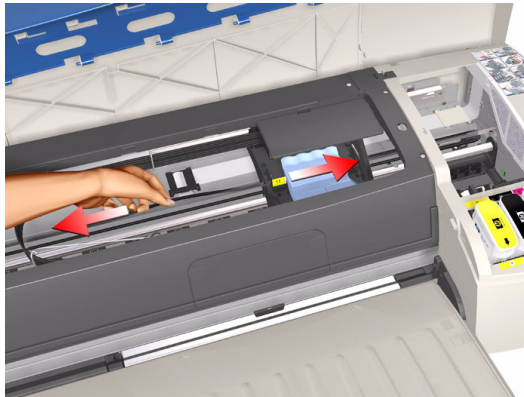


Cross-Section - Raising the Pivot Assembly

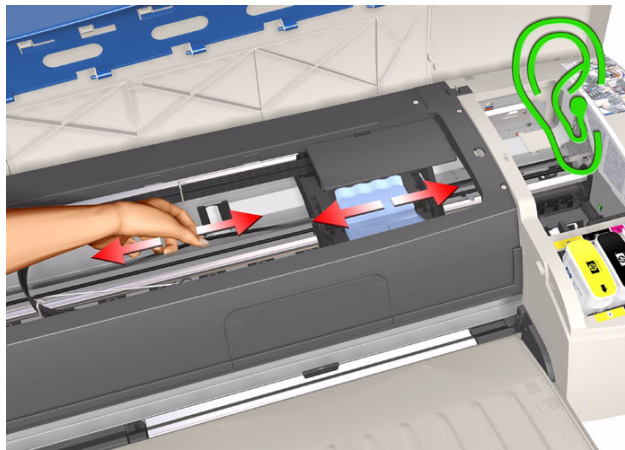
- 8** Repeat steps 5 to 7 until you reach a point where you will hear the scraping sound and by turning the screw just 1/8th of a turn clockwise, the scraping sound will disappear.



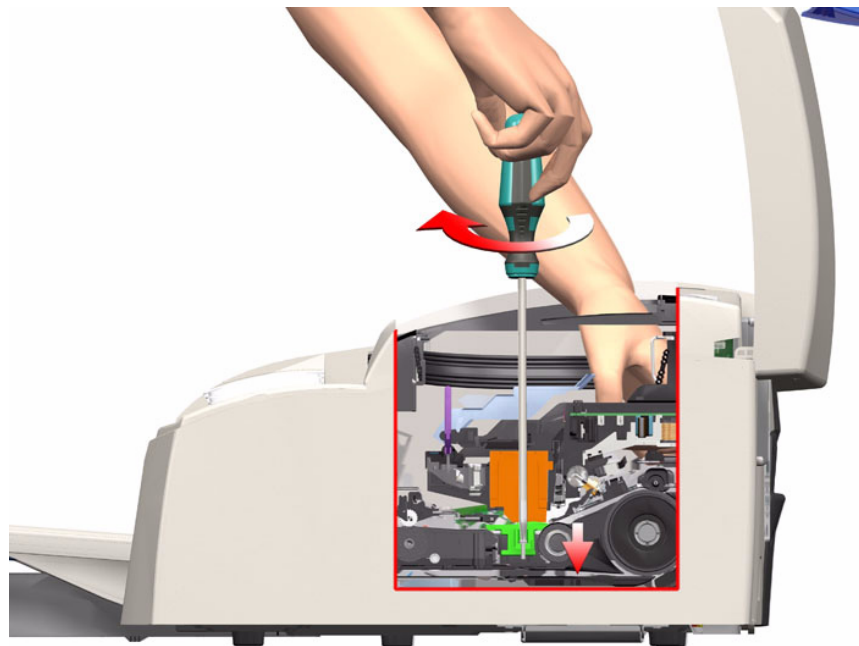
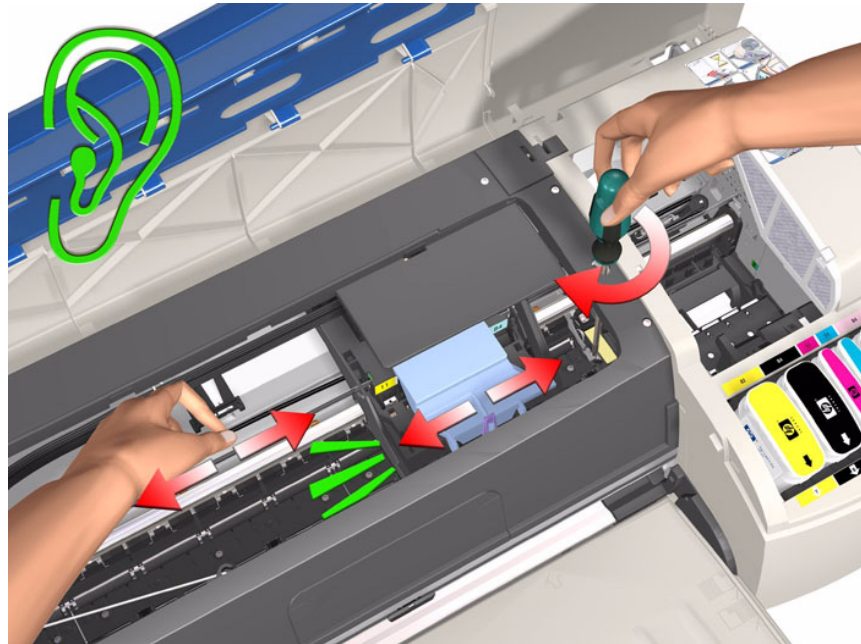
- 9** Move the Carriage Assembly to the right hand side of the Printer (to the position shown).



- 10** Using the belt, move the Carriage Assembly backwards and forwards over the Pivot Assembly (but staying on the right hand side of the printer), carefully listening for a scraping sound.

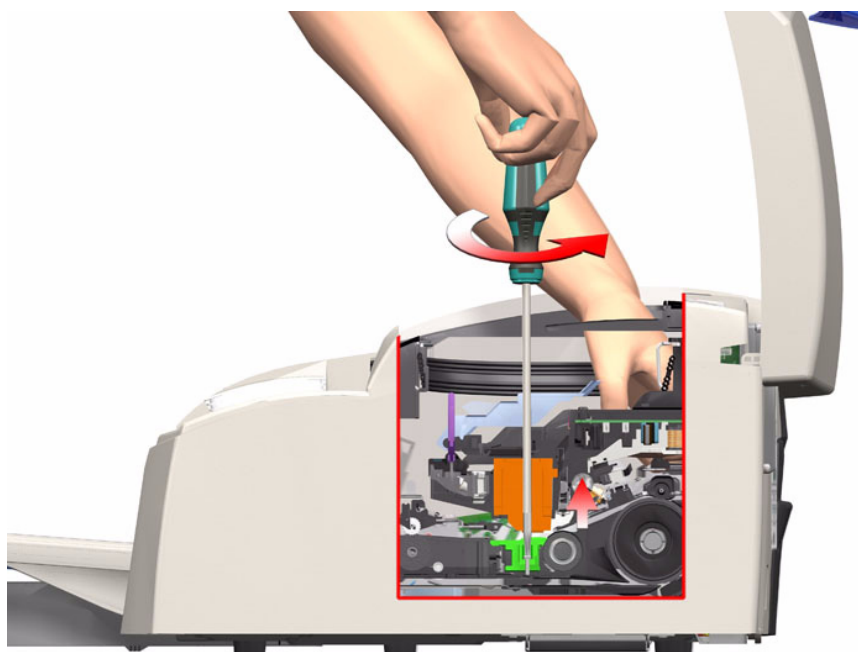
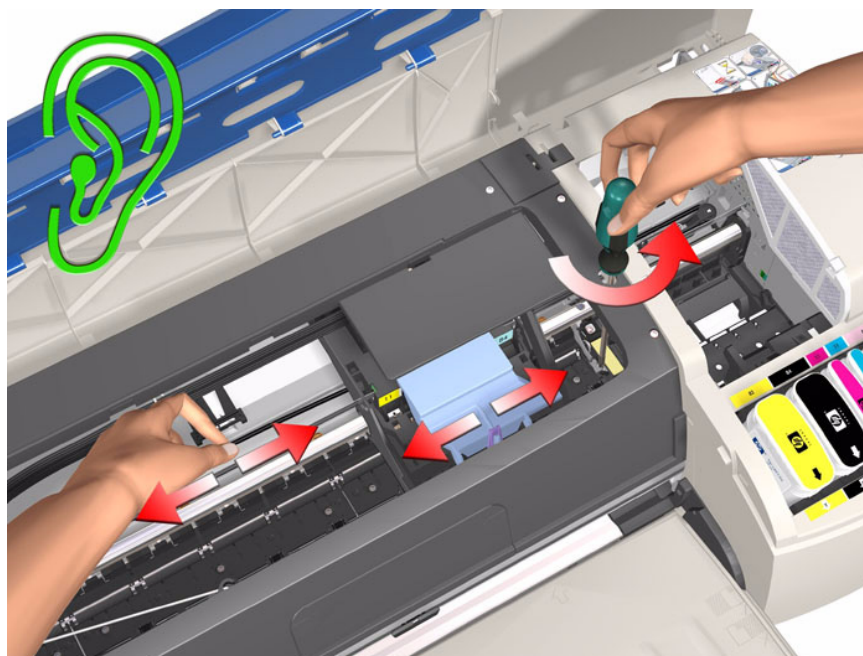


- 11** If you hear a scraping sound, that means that the Pivot Assembly is too high and needs to be lowered slightly. Lower the Pivot Assembly slightly by turning the T-8 screw 1/8th of a turn clockwise and then check for a scraping sound again as shown previously in **step 10**.



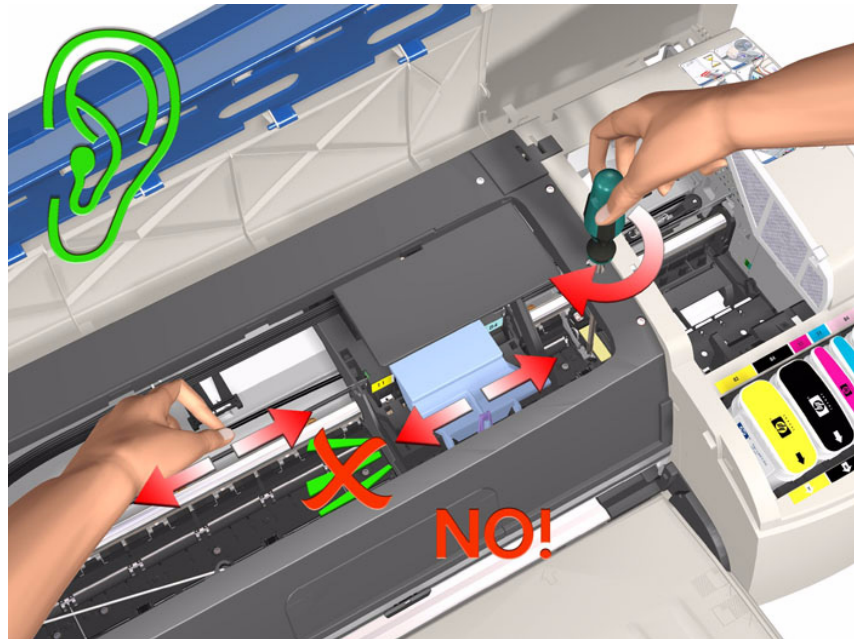
Cross-Section - Lowering the Pivot Assembly

- 12** If you don't hear a scraping sound, that means that the Pivot Assembly is too low and needs to be raised slightly. Raise the Pivot Assembly slightly by turning the T-8 screw 1/8th of a turn anti-clockwise and then check for a scraping sound again as shown previously in **step 10**.

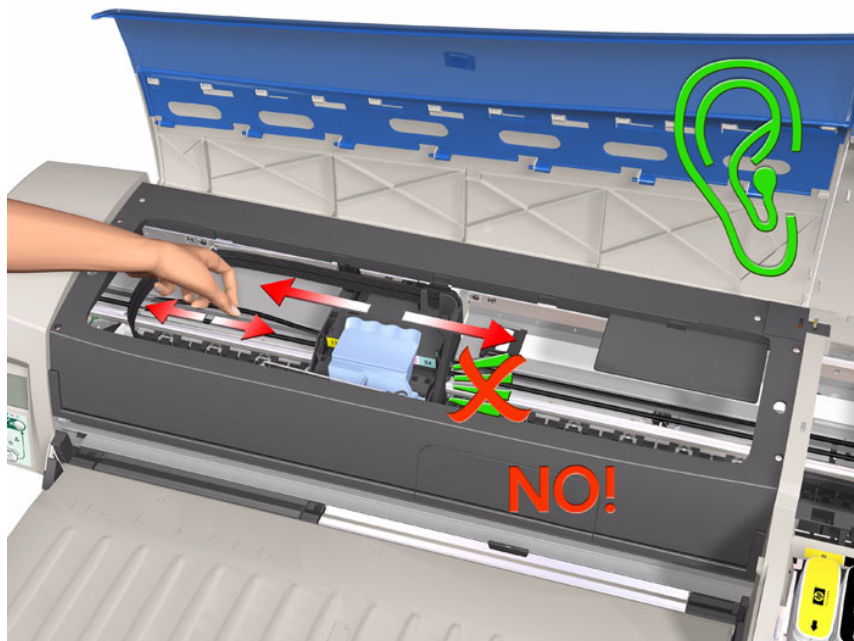


Cross-Section - Raising the Pivot Assembly

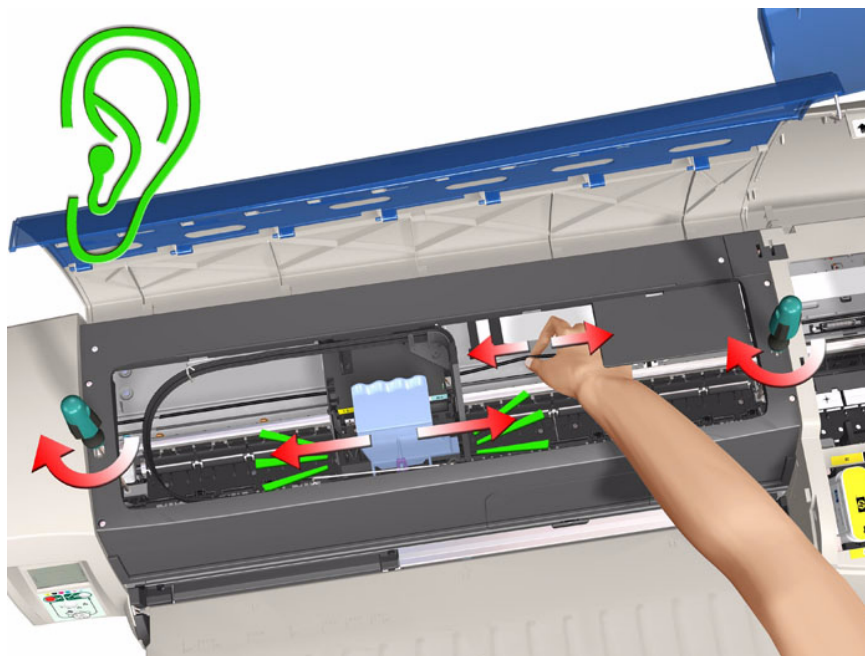
- 13** Repeat steps 10 to 12 until you reach a point where you will hear the scraping sound and by turning the screw just 1/8th of a turn clockwise, the scraping sound will disappear.



- 14** Move the Carriage Assembly along the length of the Printer, listening carefully for the scraping sound.
- 15** If you don't hear the scraping sound, then the PRS Adjustment is correct, go to **step 17**.



- 16** If you hear the scraping sound, then you will need to lower the Pivot Assembly slightly by turning the T-8 screw 1/8th of a turn clockwise on both the left and right hand side of the Pivot Assembly. Check for a scraping sound again as shown previously in **step 14**.



- 17** Remove the Carriage Height Tool.



Restricted Access

Factory Accuracy Calibration

The Accuracy Calibration should ONLY be performed by a qualified Service Engineer.

The Factory Accuracy Calibration needs to be performed whenever:

- Banding is detected in printed images.
- The Feed Roller Assembly is disassembled **or** replaced.
- The Paper-Axis Motor Drive Assembly is disassembled **or** replaced.
- The Encoder Disc is removed **or** replaced.

Ensure that you use HP Proofing Gloss or HP Premium Photo Gloss in order to perform the Factory Accuracy Calibration.

The B size printer (HP Designjet 30 Printer series) needs at least firmware B.05.XX to be able to perform this calibration

Perform the Accuracy Calibration as follows:

- 1 Load an A3/B-size sheet of HP Proofing Gloss in to the input tray.
- 2 To manually print the Factory Accuracy Calibration, hold the power button down and press the cancel button **once** and the resume button **once**.

To Print the Factory Accuracy Calibration

Press Cancel button **once**

Hold Power Button



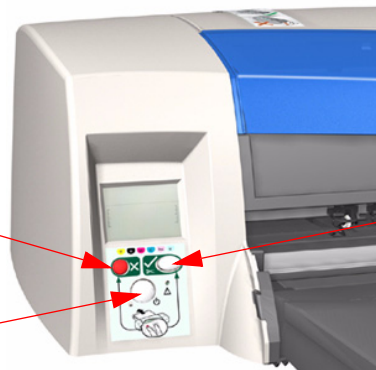
Press Resume button **once**

- 3 Once the Accuracy Calibration has been printed, rotate the page and reload it upside down (image facing down).
- 4 To scan the Accuracy Calibration, hold the power button down and press the cancel button **once** and the resume button **four times**.

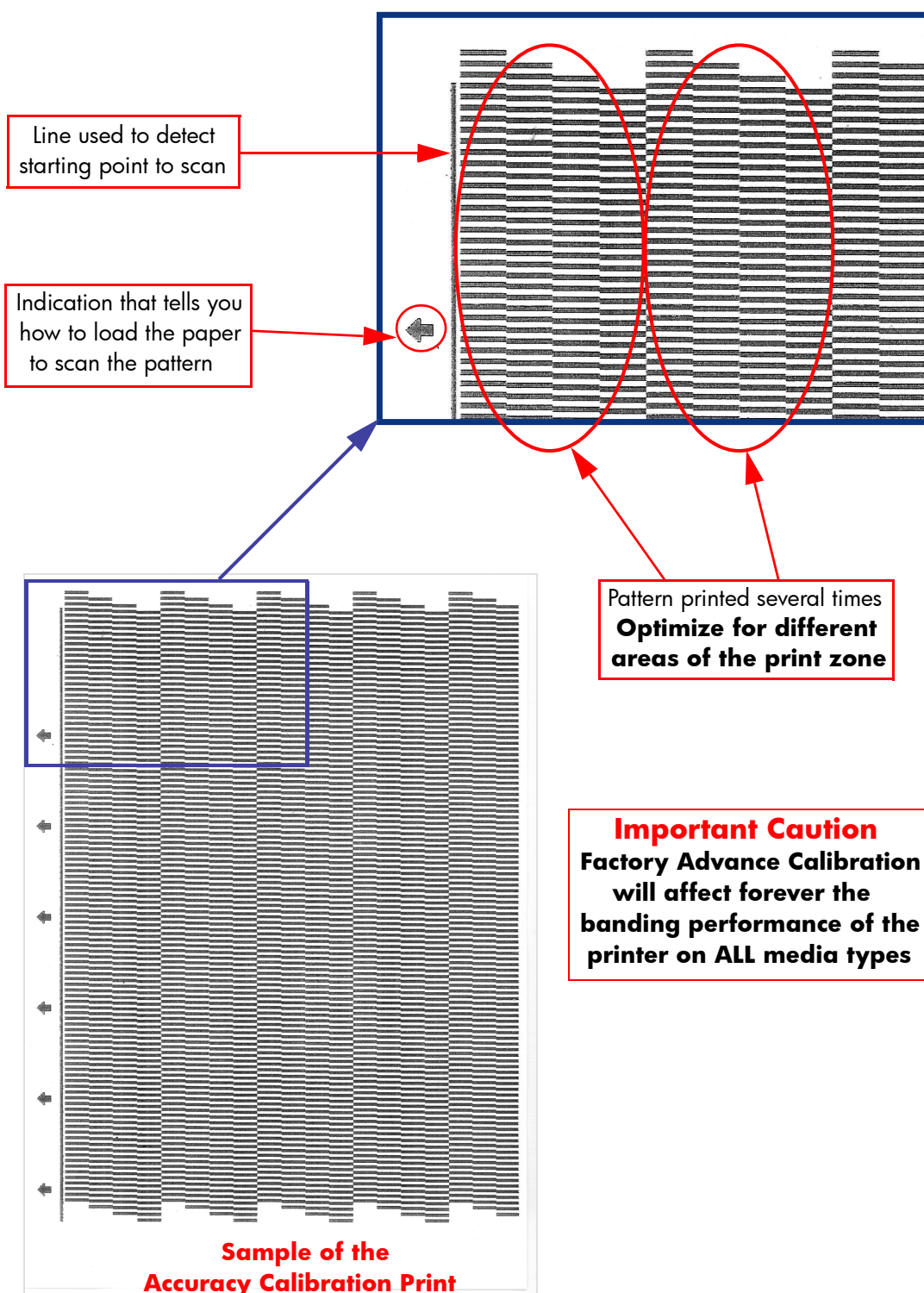
To Scan the Accuracy Calibration

Press Cancel button **once**

Hold Power Button



Press Resume button **four times**



Parts replacement and associated calibrations

Following the removal and replacement of some components, it is important that calibrations are performed immediately afterwards. Shown below is a table describing which parts require calibrations when they are replaced, and the order in which you should perform the calibrations.

Description of service part	Media Advance Calibration	PRS Calibration	Printhead Alignment
Print Platen SV		1	2
Pick Roller SV	1	2	3
Feed Roller	1	2	3
Inner Paper G SV	1	2	3
Carriage Belt SV			1
Lower Paper Guide Bits SV	1	2	3
Bypass Platen	1	2	3
Bypass Actuator	1	2	3
Carriage SV		1	2
Tubes SV			1
Pivot SV		1	2
Electronics Module			1
Disk Encoder	1		2